

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Yu SUI et al.

Docket No.

2004US301

Serial No.

10/808,884

Filing Date

March 25, 2005

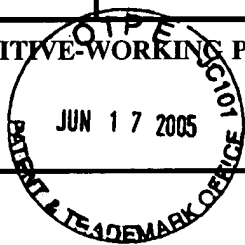
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1756

Invention: POSITIVE-WORKING PHOTOIMAGEABLE BOTTOM ANTIREFLECTIVE COATING

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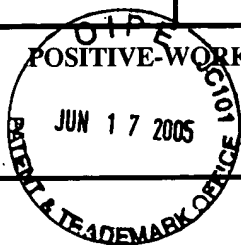
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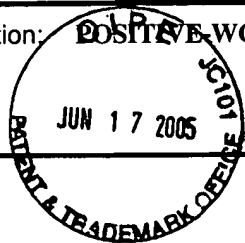
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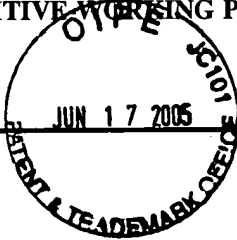
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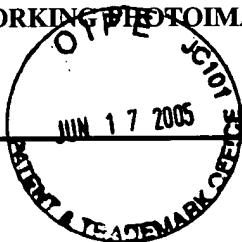
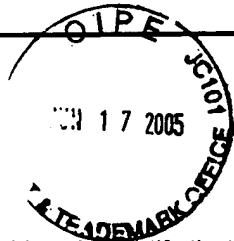
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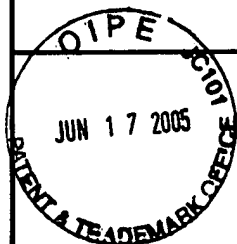
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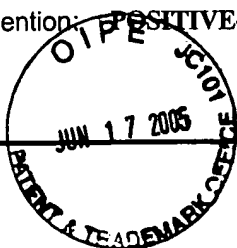
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Yamaoka et al., "Photochemical Dissociation of p-Nitrobenzyl Aromatic Sulfonate and Its Application to Chemical Amplification Resists", *Journal of Photopolymer Science and Technology*, Vol. 3, No. 3 (1990), pp. 275 - pp. 280 - 6 Pages

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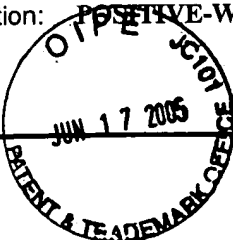
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Schlegel et al., "Studies on the Acid Formation and Deprotection Reaction by Novel Sulfonates in a Chemical Amplification Positive Photoresist", *Journal of Photopolymer & Science Technology*, Vol. 3, No. 3 (1990), pp. 281 - pp.287 - 7 Pages

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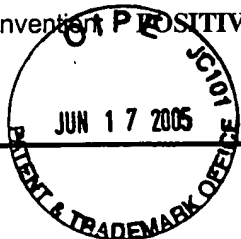
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Inventor: **POSITIVE-WORKING PHOTOIMAGEABLE BOTTOM ANTIREFLECTIVE COATING**

Shirai et al., "Photochemistry of Imino Sulfonate Compounds and
Their Application to Chemically Amplified Resists", Journal of
Photopolymer Science and Technology, Vol. 3, No. 3 (1990),
pp. 301 - pp. 304 - 4 Pages

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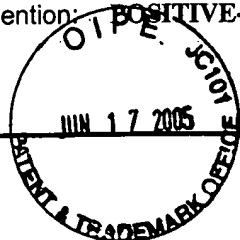
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*CRC Handbook of Chemistry & Physics, "Dissociation Constants Of
Organic Acids And Bases", CRC Press (1994-1995 75th Edition),
pp. 8-45 – pp. 8-55 - 13 Pages*

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Moon et al., "Three-Component Photopolymers Based on Thermal Cross-Linking and Acidolytic De-Cross-Linking of Vinyl Ether Groups. Effects of Binder Polymers on Photopolymer Characteristics, *Chemical Materials*, Vol. 6 (1994), pp. 1854 – pp. 1860 - 7 Pages

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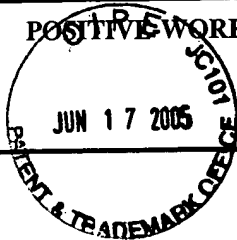
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Abstract of Houlihan et al., "Chemically amplified resists. The chemistry and lithographic characteristics of nitrobenzyl benzenesulfonate derivatives", *Journal of Photopolymer & Science Technology*, Vol. 3, pp. 259 – pp. 273 (1990)
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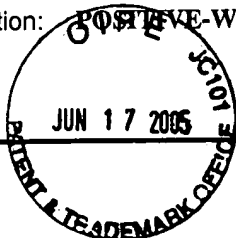
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Abstract of Yamaoka et al., "Reactions of vinyl ethers and application to photoreactive process", *Trends in Photochemistry & Photobiology*, Vol. 7, pp. 45 – pp. 70 (2001) - 1 Page

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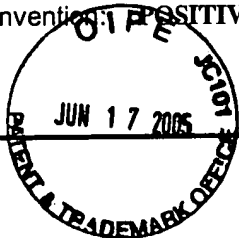
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Abstract of Schacht et al., "Acid labile crosslinked units: a concept
for improved positive deep-UV photoresists", *ACS Symposium Series*, 706,
pp. 78 – pp. 94 (1998) - 1 Page

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